


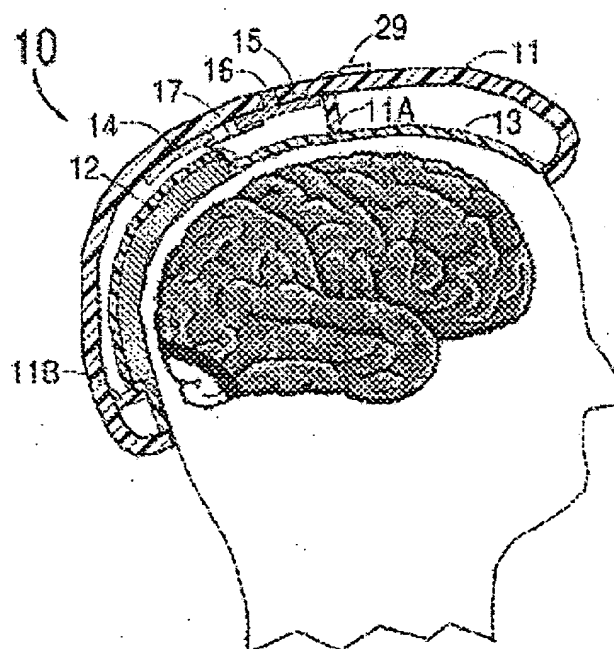


MIGRAINE HEADACHE TREATMENT APPARATUS**Patent number:** EP1307260**Publication date:** 2003-05-07**Inventor:** FISCHHELL ROBERT E (US); FISCHHELL DAVID R (US);
UPTON ADRIAN R M (CA)**Applicant:** NEUROPACE INC (US)**Classification:****- international:** **A61N2/02; A61N2/00;** (IPC1-7): A61N2/02**- european:** A61N2/02**Application number:** EP20010959350 20010731**Priority number(s):** WO2001US23958 20010731; US20000629210
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Abstract not available for EP1307260

Abstract of correspondent: **US6402678**

Disclosed is a means and method for the treatment of migraine headaches. Patients who have migraine headaches typically have a band of excited brain neurons that are a precursor of the headache. By placing an intense alternating magnetic field onto a certain region of the brain, an electrical current can be generated in the cerebral cortex that can depolarize these excited brain neurons. This procedure can stop a migraine headache in some patients or at least decrease its severity. The device to perform this function can be called a "magnetic depolarizer". The magnetic depolarizer can be placed in some headgear such as a bicycle helmet in order to place the magnetic field at the correct location relative to the patient's cerebral cortex. This technique can be particularly valuable for patients who have a perceptible aura that occurs prior to the onset of a migraine headache. A visual aura caused by the progression of an excited band of neurons in a patient's occipital lobe, which aura occurs 20 to 30 minutes prior to the onset of head pain, would be particularly well treated by means of the magnetic depolarizer.



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